AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in this application.

Claims 1-39 (Cancelled)

40. (Previously Presented) An injector device used for transcutaneously placing an insertion needle of a medical device through the skin of a patient, said injector device comprising:

a molded device housing,

a molded plunger for inserting said medical device movably received within the device housing for movement between an advanced position and a retracted position,

a lock for releasably locking said plunger in said retracted position, said device housing being manually deformable to effect release of said plunger,

a drive including a spring for urging the plunger from the retracted position towards the advanced position,

wherein the drive comprises a plurality of individual flexible plastics members, each member being connected with the plunger and with the device housing, said plastics members forming said spring, and

wherein said insertion needle is hollow and has a lateral opening near said plunger.

41. (Previously Presented) The injector device of claim 40, including manual engagement areas for the manual deformation of said housing to effect said release of said plunger.

42. (Previously Presented) The injector device of claim 41, said manual engagement areas being diametrically opposed on said housing and being peripherally offset with respect to said lock.

43. (Previously Presented) The injector device of claim 42, said manual engagement areas being of fingertip size.

Claims 44-49 Cancelled

50. (Previously Presented) The injector device of claim 40, wherein said device housing has a forward end defining a generally planar surface for placement against the skin of a patient with the device housing in a predetermined orientation relative to the patient's skin.

51. (Previously Presented) An injector device used for transcutaneously placing an insertion needle of a medical device through the skin of a patient, said injector device comprising:

a molded device housing,

a molded plunger for inserting said medical device movably received within the device housing for movement between an advanced position and a retracted position,

a lock for releasably locking said plunger in said retracted position, said device housing being manually deformable to effect release of said plunger,

a drive including a spring for urging the plunger from the retracted position towards the advanced position,

wherein the drive comprises a plurality of individual flexible plastics members, each member being connected with the plunger and with the device housing, said plastics members forming said spring, and

wherein said medical device comprises a tubing, said injector device housing including a space for accommodating said tubing.

52. (Previously Presented) The injector device of claim 51, each strip being essentially planar and non-deformed in the advanced position of the plunger.

53. (Previously Presented) An injector device for a medical device, comprising:

a molded device housing;

a molded plunger for inserting said medical device movably received within the device housing for movement between an advanced position and a retracted position;

a lock for releasably locking said plunger in said retracted position, said device housing being manually deformable to effect release of said plunger; and

a drive including a spring for urging the plunger from the retracted position towards the advanced position;

wherein the drive comprises a plurality of individual flexible plastics members, said plastics members forming said spring, each member being connected with the plunger and with the device housing, and each flexible plastics member is formed as a strip, the injection device including at least two such strips, said two strips extending in a common plane around a respective part of said periphery of said plunger, and two further strips extending in a second plane around a respective part of said periphery, in said advanced position of said plunger.

54. (Previously Presented) The injector device of claim 53, said plunger having a recess for accommodating said medical device.

55. (Currently Amended) An injector device assembly, comprising:

an infusion set including a housing and a hollow cannula,

a molded device housing,

a cover member removably secured to said device housing, said cover member covering an end of said device housing,

a molded plunger movably received within said device housing for movement between an advanced position and a retracted position,

a lock for releasably locking said plunger in said retracted position, said device housing being manually deformable <u>from a first geometrical housing configuration to a second geometrical housing configuration</u> to effect release of said plunger, and

a drive for urging said plunger from the retracted position towards said advanced position.

56. (Currently Amended) An injector device assembly, comprising:

an infusion set including a housing and a hollow cannula;

a molded device housing;

a cover member removably secured to said device housing, said cover member covering an end of said device housing;

a molded plunger movably received within said device housing for movement between an advanced position and a retracted position;

a lock for releasably locking said plunger in said retracted position, said device housing being manually deformable from a first geometrical housing configuration to a second geometrical housing configuration to effect release of said plunger; and

a drive for urging said plunger from the retracted position towards said advanced position;

wherein said device housing includes a space for accommodating a tubing that forms part of said infusion set for delivery of medication to said hollow cannula.

57. (Previously Presented) The injector device assembly of claim 55, wherein the device housing has a forward end defining a generally planar surface for placement against the skin of a patient with the device housing in a predetermined orientation relative to the patient's skin.

58. (Currently Amended) An injector device assembly, comprising:

an infusion set including a housing and a hollow cannula;

a molded device housing;

a cover member removably secured to said device housing, said cover member covering an end of said device housing;

a molded plunger movably received within said device housing for movement between an advanced position and a retracted position;

a lock for releasably locking said plunger in said retracted position, said device housing being manually deformable from a first geometrical housing configuration to a second geometrical housing configuration to effect release of said plunger;

a drive for urging said plunger from the retracted position towards said advanced position; and

indicia relating to the shelf life of said assembly on said cover member, and wherein the releasable cover member assures sterile conditions of the infusion set prior to releasing the cover member.

59. (Previously Presented) The injector device assembly of claim 58, said plunger being in said advanced position prior to first time removal of said at least one cover member.

60. (Previously Presented) The injector device assembly of claim 55, wherein a removable cover covering said infusion set includes a hollow portion for receiving a part of an insertion needle when said plunger is in said advanced position.

61. (Currently Amended) An injector device assembly, comprising:

an infusion set including a housing and a hollow cannula;

a molded device housing;

a cover member removably secured to said device housing, said cover member covering an end of said device housing;

a molded plunger movably received within said device housing for movement between an advanced position and a retracted position;

a lock for releasably locking said plunger in said retracted position, said device housing being manually deformable <u>from a first geometrical housing configuration to a second geometrical housing configuration</u> to effect release of said plunger; and

a drive for urging said plunger from the retracted position towards said advanced position, said plunger having an insertion needle secured thereto by a stable connection preventing loss of said insertion needle during use of said injector device, said insertion needle extending through said cannula with the cannula oriented for transcutaneous placement upon movement of the plunger from the retracted position to the advanced position, said insertion needle secured to said plunger being removable from said cannula while maintaining the transcutaneous placement of the cannula.

62. (Previously Presented) The injector device assembly of claim 61, said insertion needle being in frictional engagement with said infusion set.

63. (Previously Presented) The injector device assembly of claim 61, wherein the insertion needle is secured to said plunger by press-fit.

64. (Previously Presented) The injector device assembly of claim 61, wherein the insertion needle is hollow and has an entry port and an exit port.

65. (Previously Presented) The injector device of claim 42, said manual engagement areas being diametrically opposed on said housing and being peripherally offset with respect to said lock by about 90º.

66. (Currently Amended) An injector device assembly comprising:

an infusion set including at least a housing and a hollow cannula,

a molded device housing receiving at least a part of said infusion set, said part of said infusion set positioned removably from and within said device housing;

a molded plunger movably received within said device housing for transcutaneous placement of said hollow cannula by movement of said plunger between an advanced position and a retracted position,

a lock for releasably locking said plunger in said retracted position,

a drive including a spring for urging the plunger from the retracted position towards the advanced position,

a cover removably connected to a front end portion of said housing and covering an opening defined in the front end portion of said housing,

said cover receiving a part of said infusion set.

67. (Currently Amended) ~~The injector device assembly of claim 66,~~ An injector device assembly comprising:

an infusion set including at least a housing and a hollow cannula,

a molded device housing receiving at least a part of said infusion set,

a molded plunger movably received within said device housing for transcutaneous placement of said hollow cannula by movement of said plunger between an advanced position and a retracted position,

a lock for releasably locking said plunger in said retracted position,

a drive including a spring for urging the plunger from the retracted position towards the advanced position,

a cover removably connected to a front end portion of said housing and covering an opening defined in the front end portion of said housing,

said cover receiving a part of said infusion set,

wherein said drive comprises a plurality of individual flexible plastics members, each member connected with the plunger and with the device housing.

68. (Previously Presented) The injector device assembly of claim 67, wherein each of said flexible members extend in a space between the plunger and the device housing.

69. (Previously Presented) The injector device assembly of claim 66, further comprising a medical insertion needle substantially non-detachably attached to said plunger, said medical insertion needle extending through said cannula.

70. (Previously Presented) The injector device assembly of claim 66, wherein said device housing is manually deformable to effect release of said plunger.

71. (Previously Presented) The injector device assembly of claim 70, wherein said molded device housing comprises manual engagement areas.

72. (Previously Presented) The injector device assembly of claim 66, wherein said cover comprises a hollow portion.

73. (New) The injector device assembly of claim 55, wherein said housing comprises a pair of manual engagement areas, said manual engagement areas being pressed radially inwardly in said second geometrical configuration.